22. Filtered Water Tank

A) System Description

System consists of 2 nos. filtered water tanks.

B) System monitoring and Control

The water level in the tank shall be monitored through a liquid differential pressure sensor **(QBE63-DP05)** installed on the drain pipe of the tank. Butterfly valves installed in the inlet line of the each tank shall be controlled to maintain the water level inside the tank. The inlet valve will be commanded OPEN when the tank water level reaches the valve open set point (140 cm, adjustable from BMS workstation). The inlet valve will be commanded CLOSE when the tank water level reaches the valve open set point (170 cm, adjustable from BMS workstation).

C) Alarms

The followings alarms shall be raised on BMS

S.NO.	ALARM	PRIORITY
1	Tank high level alarm (each tank)	High
2	Tank low level alarm (each tank)	High